Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE uction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. TRADEN Application Number 10/506,384 🗸 TRANSMITTAL Filing Date March 2, 2005 **FORM** First Named Inventor Sang-Hea SHIM

(to be used for all correspondence after initial filing) Art Unit 1744 Examiner Name Attorney Docket Number 1455-050676 Total Number of Pages in This Submission

EN	ICLOSURES (Check all that apply)	
☐ Fee Transmittal Form	☐ Drawing(s)	☐ After Allowance communication to Technology Center (TC)
☐ Fee Attached	☐ Licensing-related Papers	☐ Appeal Communication to Board
☐ Amendment/Reply	☐ Petition	of Appeals and Interferences
☐ After Final ☐ Affidavits/declaration(s)	☐ Petition to Convert to a Provisional Application	☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
	☐ Power of Attorney, Revocation	☐ Proprietary Information
☐ Extension of Time Request	Change of Correspondence Address	□ Status Letter
☐ Express Abandonment Request	☐ Terminal Disclaimer	☐ Other Enclosure(s) (please
☑ Information Disclosure Statement	□ Request for Refund	identify below)
☐ Certified Copy of Priority Documents	☐ CD, Number of CD(s)	
☐ Response to Missing Parts/ Incomplete Application	Remarks	
☐ Response to Missing Parts under 37 CFR 1.52 or 1.53	•	
SIGNATU	RE OF APPLICANT, ATTORNEY, OR A	AGENT
Firm Kent E. Baldauf		
or The Webb Law Firm Individual name		
17000	Sauf	
Date June 2, 2005		

	CERTIFICATE OF TRANSMISS	SION/MAILING	
	espondence is being facsimile transmitted to the USF as mail in an envelope addressed to: Commissioner		
Typed or printed name	Diane Paull		
Signature	Kliane Paull	Date	06-02-2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Appl. No. 10/506,384 IDS dated June 2, 2005 Attorney Docket No. 1455-050676

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.

10/506,384

Confirmation No. 1698

Applicants

Sang-Hea SHIM et al.

Filed

Title

March 2, 2005 Method of Preparing a Biocide Comprising Stabilized Hypochlorite and a Bromide Ion Source and a Method of

Controlling Microbial Fouling Using the Same

1744 Art Unit

Examiner

Not yet assigned

Customer No.

28289

INFORMATION DISCLOSURE STATEMENT TRANSMITTED BEFORE MAILING OF FIRST OFFICE ACTION

MAIL STOP AMENDMENT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby submit this Sir: Information Disclosure Statement together with a completed Form PTO/SB/08A. Pursuant to 37 CFR §1.98, no copies of the United States patents are enclosed. All of the references listed on page 1 of Form PTO/SB/08A herein are cited in the instant application on pages 3-8. Korean reference KR 0339129 cited on page 8 of the application is equivalent to U.S. Patent 6,478,972; therefore, only the U.S. patent is listed on Form PTO/SB/08A. Additional references of interest are cited on page 2 of Form PTO/SB/08A.

No fee is believed to be due for the filing of this Information Disclosure Statement as it is being submitted before a first Office Action on the merits. Nevertheless, the Commissioner for Patents is hereby authorized to charge any additional fees which may be required to Deposit Account No. 23-0650. This Information Disclosure Statement is submitted in duplicate.

Respectfully submitted, THE WEBB LAW FIRM

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 2, 2005.

> Diane Paull (Name of Person Mailing Document)

06/02/2005 Date

E. Baldauf

Registration No. 25,826 Attorney for Applicants

700 Koppers Building 436 Seventh Avenue

Pittsburgh, PA 15219-1845 Telephone: 412-471-8815

Facsimile: 412-471-4094

PTO/SB/08A (08-00)

Please type a plus sign (+) inside this box >

Approved for use through 10/31/2001. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995 no persons are required to respond	to a collection of information
Substitute for form 1449A/PTO	Complete if Known 10/506.384
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number Sang-Hea SHIM Filing Date March 2, 2005 First Named Inventor 1744
(use as many sheets as necessary)	Group Art Unit Examiner Name Not yet assigned Attorney Docket Number 1455-050676
Sheet 1 of 2	DOCUMENTS Pages, Columns, Lines,

		- 5	1 2 1	Altorney	Docker	
Sheet	1				NITO	
Initials* No.1	1 U.S. Patent Doc Number Kir 3,328,294 3,767,586 4,557,756 5,683,654 5,688,515 5,795,487 5,942,126 6,037,318 6,110,387 6,136,205 6,270,722 6,478,972	cument ind Code ²	J.S. PATENT I Name of Patentee or of Cited Document Self et al. Rutkiewic et al. Teach et al. Dallmier et al. Dallmier et al. Dallmier et al. Na et al. Choudhury et al. Dallmier et al. Yang et al. Shim et al.	OOCUME Applicant		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

Examiner Initials No. 1 Foreign Patent Document No. 1 Office 3 Number 4 Code 5 Number 4 Code 5 Number 4 Code 5 Number 4 Code 5 Number 5 Number 5 Number 6 No. 1 Number 6 Number 6 No. 1 Number 6 Number 6 Number 6 Number 7 Number 7 Number 7 Number 7 Number 8 Nu				Seeign Patent I	FOREIGN	PATENT DOCU	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	Examiner Initials				VIII	Document		of Reicvant - g	-
									\perp
									+
		-	-						-
		-							-
									h

	Date
Examiner Signature Signature NUMBER: Initial if reference considered, whether or not citation is in conformation to applicant.	Considered in conformance and not
Examiner	pages with MPEP 609. Draw line through citation it not in consequent
Signature signature whether or not citation is in contorn	Milet Wild
ANALYSER. Initial it reference communication to applicant	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O.Box 1450, Alexandria, VA 22313-1450.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (08-00)

Please type a plus sign (+) inside this box →

roved for use through 10/31/2001. OMB 0651-0031 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995 no persons are required to respond	10 4 00.00
Substitute for form 1449A/PTO	Complete if Known
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number Sang-Hea SHIM Filing Date Sang-Hea SHIM Fisch Named Inventor March 2, 2005
(use as many sheets as necessary)	Group Art Unit Not yet assigned Not yet assigned
2 of 2	Attorney Docket Number
U.S. PATENT	DOCUMENTS Pages, Columns, Lines, Pages, Pages, Columns, Lines,

Sheet		2	of	2 Attorne		
Silect				U.S. PATENT DOCUM	Date of Publication	Pages, Columns, Lines, Where Relevant
Examiner	Cite	U.S. Patent	Document	Name of Patentee or Applicant of Cited Document	of Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear
Initials*	No.1	Number	Kind Code ²	Nelson et al.	12-10-1985	
		4,557,926	B1	Smyk et al.	02-12-1991	
		4,992,209 6,303,.038	B1	Sanders et al.	10-16-2001	
		6,533,958	B2	Shim et al.	03-18-2003	
		+				
	+					
					OCUMENTS	1:

	Examiner Initials	Cite No.1	Office ³	Number ⁴ 0 403 465		Name of Patentee or Applicant of Cited Document Univ. of Houston	Date of Publication of Cited Document Dec. 19, 1990	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
--	----------------------	--------------	---------------------	-------------------------------	--	--	--	---	----

	Date
Examiner	ormance with MPEP 609. Draw line through citation if not in conformance and not
Signature Signature considered, whether or not citation is in conform	ormance with MPEP 009. Blue the
*EXAMINER: Initial if reference considered, whether of the considered include copy of this form with next communication to applicant.	and the document, by the two-letter

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O.Box 1450, Alexandria, VA 22313-1450. 1450.

considered. Include copy of this form with next communication to applicant. ¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Armlicant is to place a check mark here if English language Translation is attached. possible. ⁶Applicant is to place a check mark here if English language Translation is attached.